



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

TM Windows, LLC
1543 N. Powerline Road
Pompano Beach, FL 33069

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.-

DESCRIPTION: Series "747 HP" Aluminum Single Hung Window - S.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-52**, titled "Series 747 HP Alum. Single Hung Wdw. (S.M.I.)", sheets 1 through 4 of 4, dated 06/01/07, with revision C dated 05/04/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 13-0122.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
9/3/15

NOA No. 15-0611.07
Expiration Date: March 27, 2018
Approval Date: September 03, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA# 07-0913.05)
2. Drawing No **W07-52**, sheets 1 through 4 of 4, titled "Series 747 HP Alum. Single Hung Wdw. (S.M.I.)", dated 06/01/07, with revision C dated 05/04/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of series 747 high performance aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5222**, dated 04/26/07, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under NOA# 07-0913.05)

C. CALCULATIONS


1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)** dated 05/01/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0423.17** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/19/14, expiring on 05/21/16.
2. Notice of Acceptance No. **13-1126. 20** issued to **Allnex USA, Inc.** for their "**Uvekol S Laminated Glass Interlayer**", dated 02/20/14, expiring on 02/08/19.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0611.07
Expiration Date: March 27, 2018
Approval Date: September 03, 2015


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated May 1, 2015, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Report No. **FTL-5222**, issued by Fenestration Testing Laboratory, Inc., dated 05/02/07, signed and sealed by Carlos S. Rionda, P.E. *(Submitted under NOA# 07-0913.05)*

G. OTHERS

1. Notice of Acceptance No. **13-0122.04**, issued to T.M. Windows LLC for their Series "747 HP" Aluminum Single Hung Window – S.M.I., approved on 03/28/13 and expiring on 03/27/18.

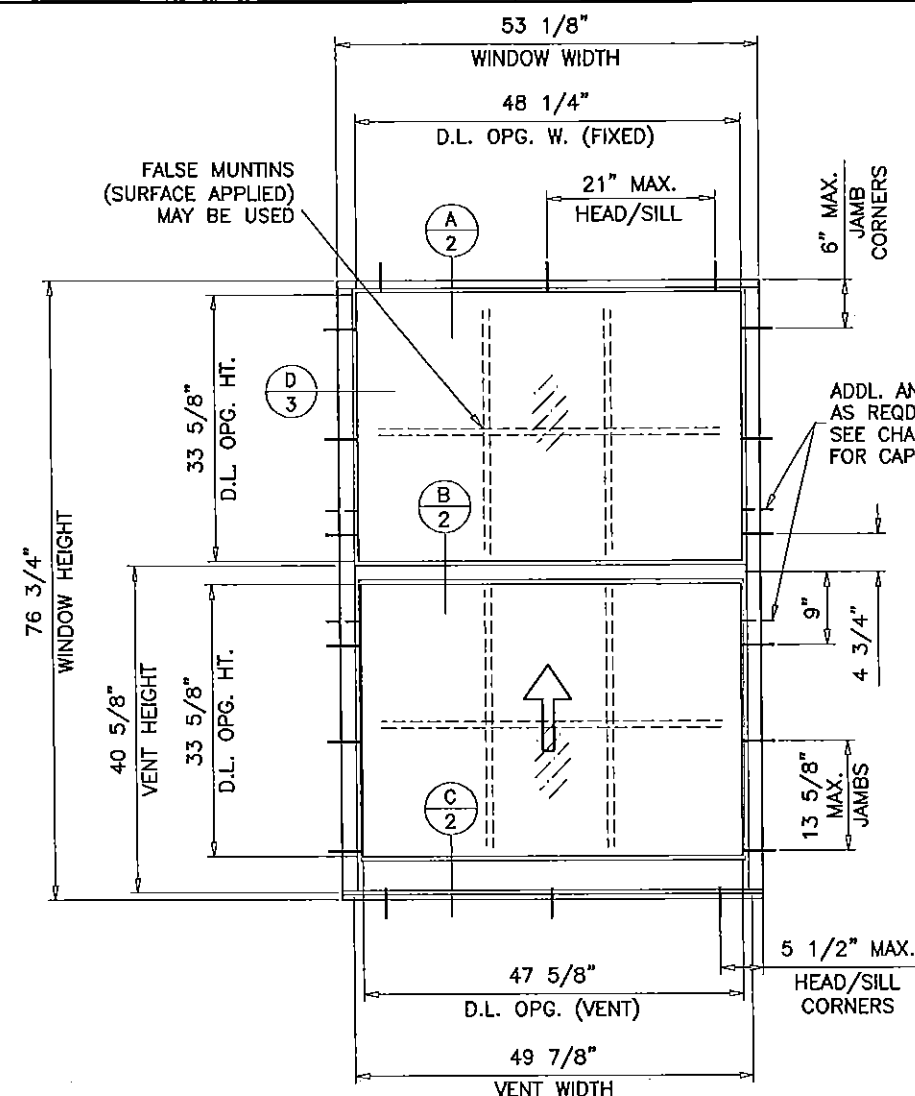
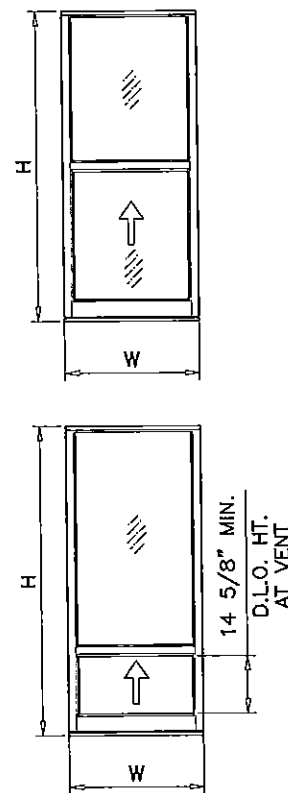

Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0611.07

Expiration Date: March 27, 2018
Approval Date: September 03, 2015

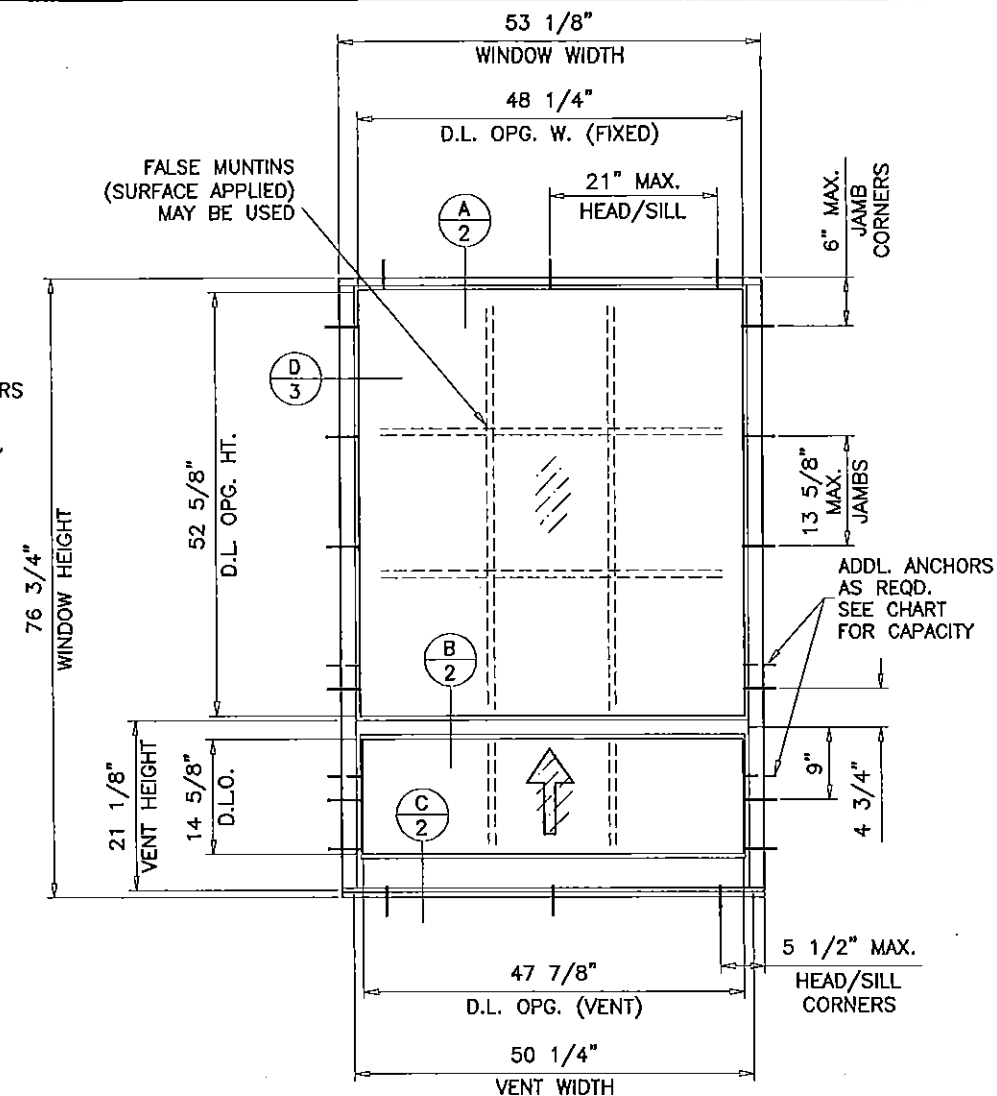
EQUAL LITES WINDOWS
UNEQUAL LITES (ORIEL TYPES) WDWS
DESIGN LOAD CAPACITY - PSF

WINDOW DIMS.		GLASS TYPES 'A' & 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	72"	90.0	160.0
26-1/2"		90.0	160.0
37"		90.0	160.0
42"		90.0	160.0
48"		90.0	137.7
53-1/8"	76-3/4"	90.0	115.1
19-1/8"		90.0	160.0
26-1/2"		90.0	160.0
37"		90.0	160.0
42"		90.0	160.0
48"		90.0	135.3
53-1/8"		90.0	112.2
19-1/8"	84"	90.0	160.0
26-1/2"		90.0	160.0
37"		90.0	160.0
42"		90.0	160.0
48"		90.0	133.3
19-1/8"	96"	90.0	160.0
26-1/2"		90.0	160.0
37"		90.0	160.0
42"		90.0	160.0
48"		90.0	160.0
19-1/8"	108"	90.0	160.0
26-1/2"		90.0	160.0
37"		90.0	160.0
42"		90.0	160.0
48"		90.0	160.0
53-1/8"	72"	90.0	160.0
48"	76-3/4"	90.0	160.0
53-1/8"	76-3/4"	90.0	160.0
48"	84"	90.0	160.0

ADDL. ANCHOR
AT MTG. RAILS



TYPICAL ELEVATION (TESTED UNIT)
EQUAL LITES



TYPICAL ELEVATION (TESTED UNIT)
UNEQUAL LITES

SERIES 747 HIGH PERFORMANCE
ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER
CHARTS SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE
COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER
WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING
MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL
WILL APPLY TO ENTIRE SYSTEM.
CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY
HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

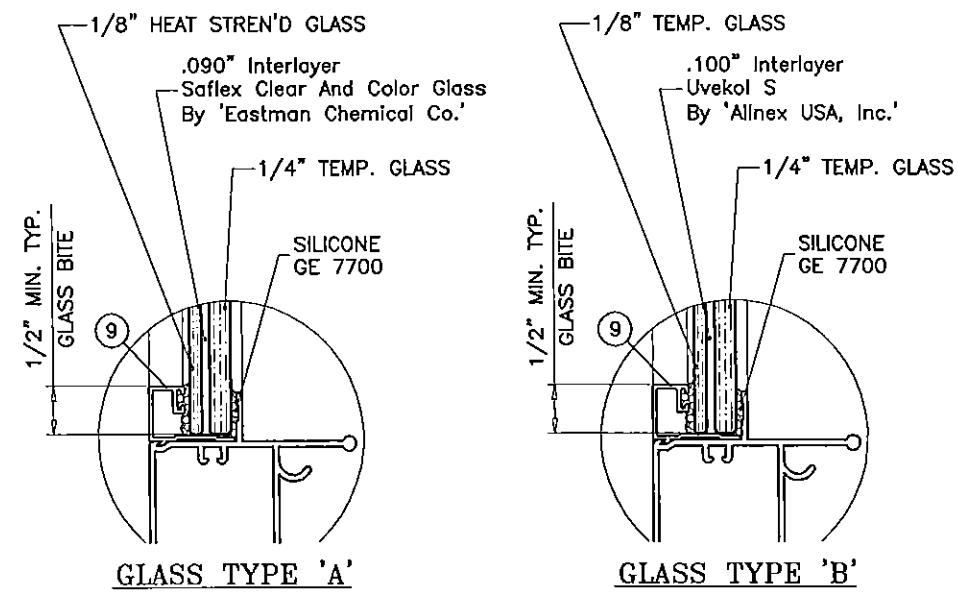
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS
EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE
NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE.



GLASS TYPE 'A'

GLASS TYPE 'B'

GLAZING OPTIONS

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT.
MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

LAMINATED GLASS
SMALL MISSILE IMPACT

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538
SEP 2 2015

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0611.07
Expiration Date March 27, 2018
By *Manuel Perez*
Miami Dade Product Control

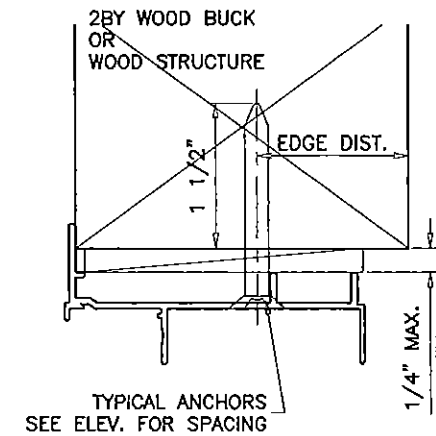
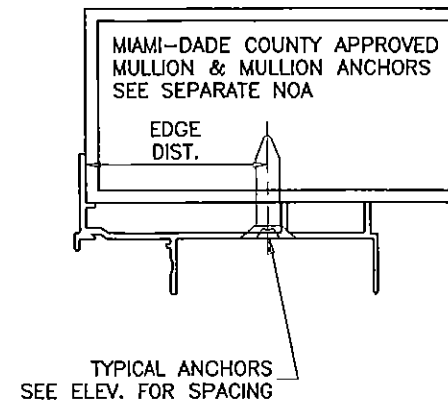
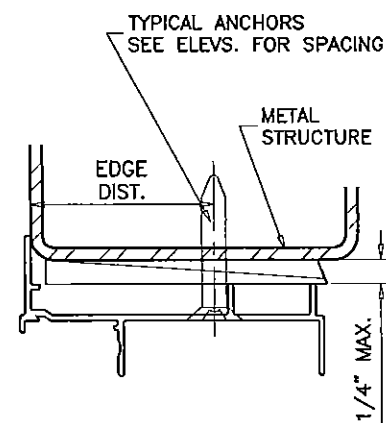
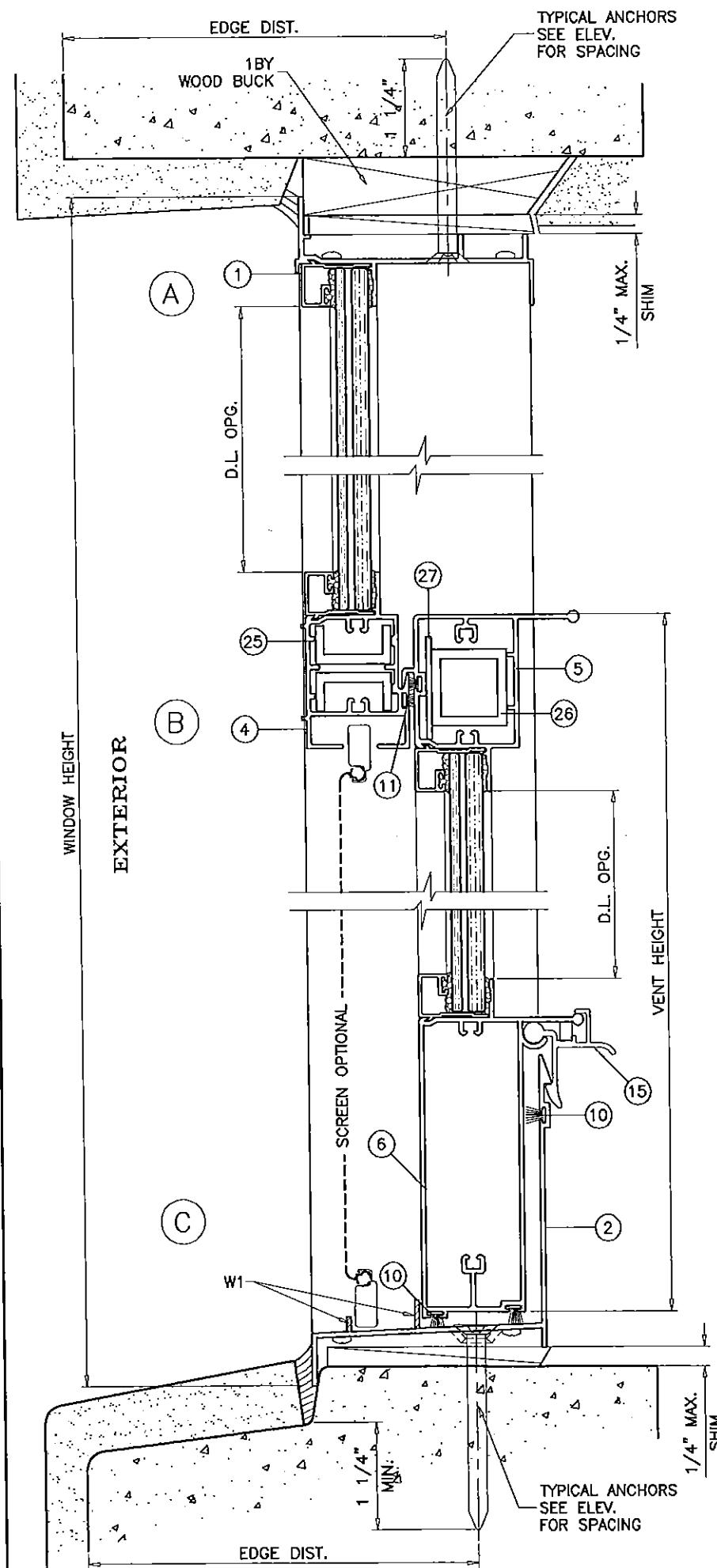
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W07-52TAW

SERIES 747 HP ALUM SINGLE HUNG WDW. (S.M.I.)
TM Windows, LLC.
1543 N. POWERLINE ROAD
POMPANO BEACH, FL. 33069
TEL. (954) 781-4430 FAX. (954) 781-3595

no	date	by	description
A	11.18.09		UPDATED FOR 2007 FBC
B	02.22.12		UPDATED TO 2010 FBC
C	05.04.15		UPDATED TO 2014 FBC

date: 06-01-07
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W07-52
sheet 1 of 4



WOOD BUCKS AND METAL STRUCTURE NOT BY TM WINDOWS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY 'ELCO' ($F_u=177$ KSI, $F_y=155$ KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)
1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)
1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO METAL STRUCTURES
STEEL : 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#12 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
(NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

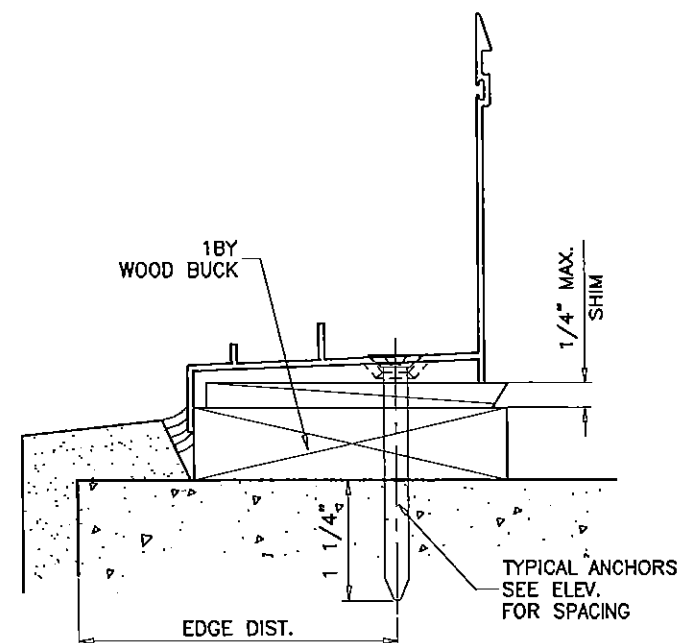
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SILICONE OR ACRYLIC SEALANT.

WEEPHOLES:

W1 = 1" LONG NOTCH AT EACH END



Engr: JAVAD AHMAD
CIVIL
FLA. RE # 70592
C.A.N. 3538

SEP 2 2015

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0611.07
Expiration Date March 27 2018
By: *Manuel Perez*
Miami Dade Product Control

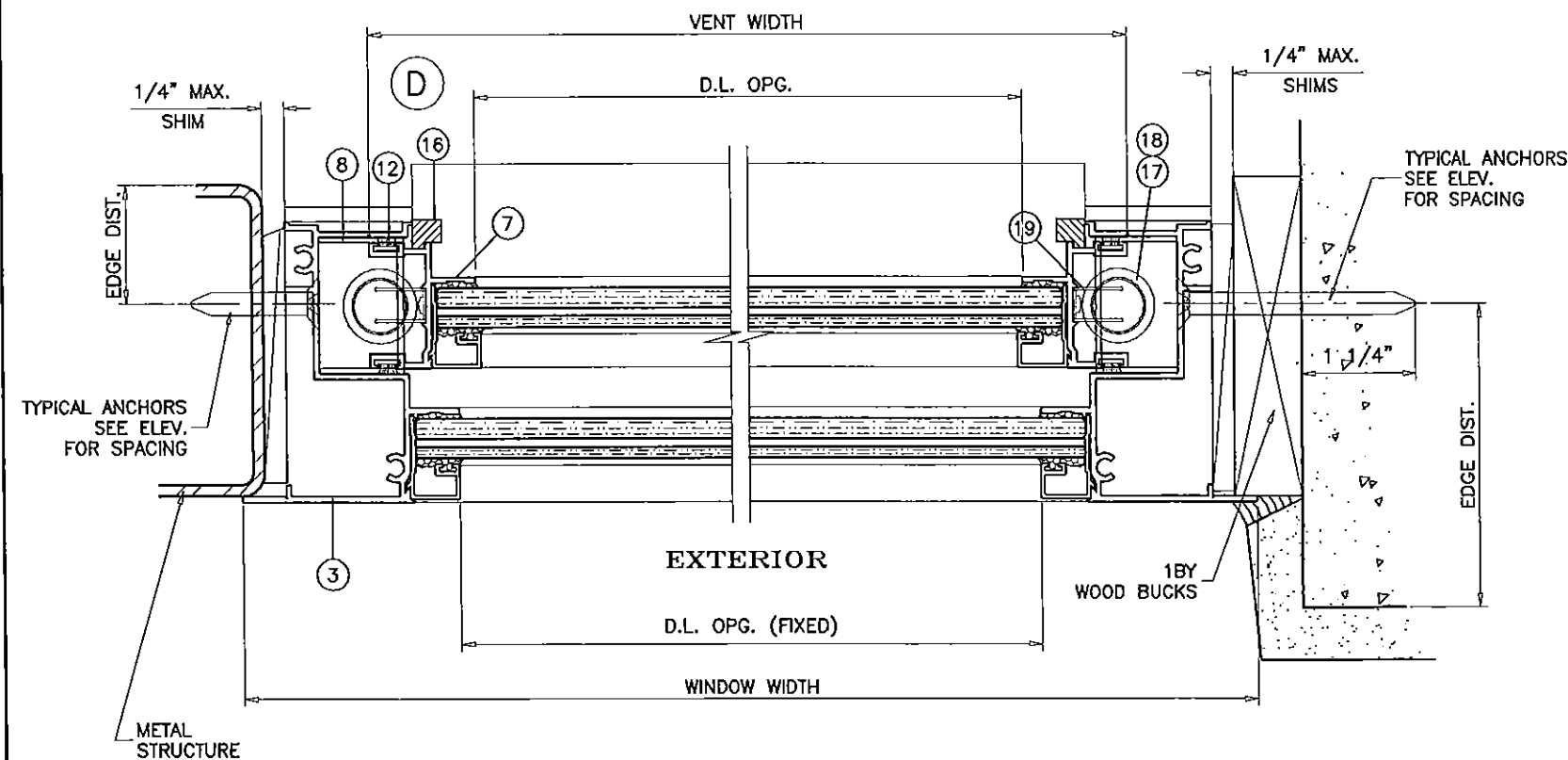
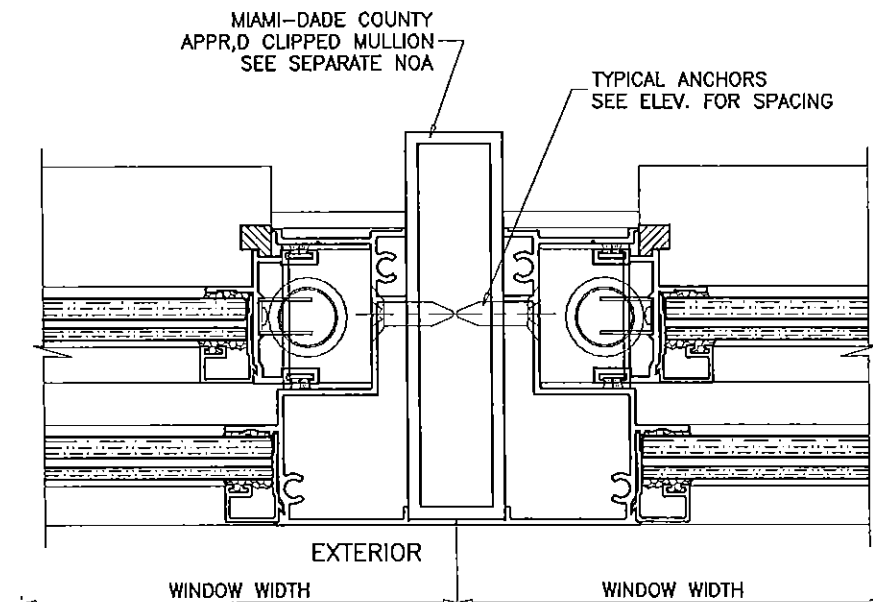
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP - ANL W07-52TMW

SERIES 747 HP ALUM SINGLE HUNG WDW. (S.M.I.)
TM Windows, LLC.
1543 N. POWERLINE ROAD
POMPANO BEACH, FL 33069
TEL (954) 781-4430 FAX (954) 781-3595

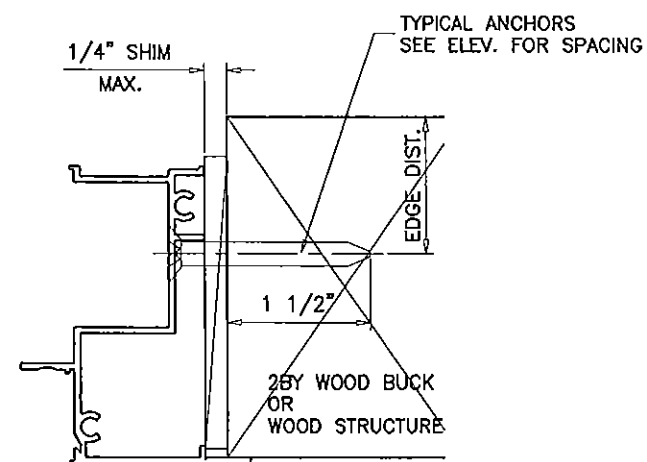
no	date	by	description
A	11.18.09		UPDATED FOR 2007 FBC
B	02.22.12		NO CHANGE THIS SHEET
C	05.04.15		UPDATED TO 2014 FBC

date: 06-01-07	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
----------------	------------------	---------------	----------

drawing no.	W07-52
sheet 2 of 4	



ITEM	PART #	QTY.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	TM-131A	1	FRAME HEAD	6063-T6	-
2	GW-37731	1	FRAME SILL	6063-T6	-
3	TM-130	2	FRAME JAMB	6063-T6	-
4	TM-137	1	MEETING RAIL	6063-T6	-
5	TM-140	1	VENT TOP RAIL	6063-T6	-
6	GW-37730	1	VENT BOTTOM RAIL	6063-T6	-
7	GW-31134	2	VENT JAMB STILE	6063-T6	-
8	GW-31470	2	VENT STOP	6063-T6	-
9	TM-141B	4/VENT	GLAZING BEAD	6063-T6	-
10	W43371	(2) STRIP	FIN SEAL WEATHERSTRIP	-	BOTTOM RAIL/FRAME SILL
11	W43201	(1) STRIP	FIN SEAL WEATHERSTRIP	-	VENT TOP/MTG.RAIL
12	W31225	(2) STRIP	FIN SEAL WEATHERSTRIP	-	VENT JAMB STILES
14	P5043	2	1 3/8"x7/8"x1/2" FINSEAL PAD	-	FRAME SILL CORNERS
15	TM-118A	2/VENT	SPRING LOADED EGRESS LOCK	6063-T6	VENT BOTT. RAIL, 6" FROM ENDS
16	-	4/VENT	VENT GUIDE	NYLON	VENT INT. CORNERS
17	-	2/VENT	CALDWELL SPIRAL BALANCES	-	AT FRAME JAMBS
18	WVR-9302	2/VENT	BALANCE COVER	VINYL	FRAME HEAD/JAMBS
19	N69	2/VENT	CALDWELL BALANCE CLIP	-	VENT BOTT. CORNERS
20	-	2	#12 x 3/4" P.H. SMS	STEEL	(1) AT EACH BALANCE
21	-	8	#12 x 1" P.H. SMS	STEEL	FRAME CORNERS
22	-	8	#10 x 1" P.H. SMS	STEEL	VENT CORNERS
24	-	4	#6 x 3/8" F.H. SMS.	STEEL	AT EA. PLASTIC GUIDE
25	-	2	1/2" X 1" X 1/8" REINF. CHANNEL	6063-T5	AT MTG. RAIL
26	-	1	1 X 1 X 1/8" REINF. TUBE	6063-T5	AT VENT TOP RAIL
27	-	1	1-3/8 X 1/16" REINF. BAR	6063-T5	AT VENT TOP RAIL



Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538

SEP 2 2015

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0611.07
Expiration Date March 27, 2018

By *Manuel Perez*
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 262-6978
FAX (305) 262-6978

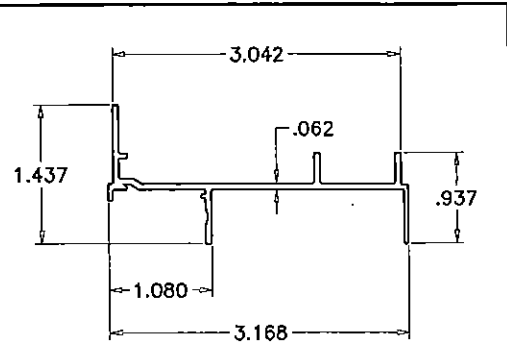
SERIES 747 HP ALUM SINGLE HUNG WDW. (S.M.I.)

TM Windows, LLC.
1543 N. POWERLINE ROAD
POMPANO BEACH, FL. 33069
TEL. (954) 781-4430 FAX. (954) 781-3595

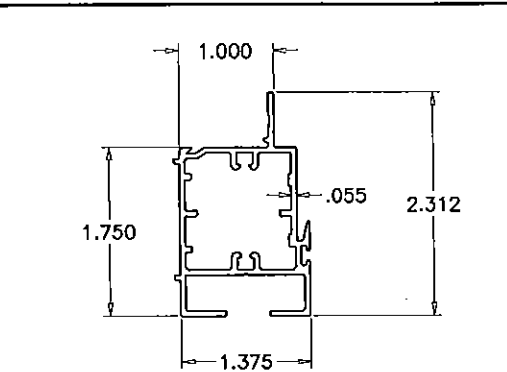
revisions:	no.	date	by	description
	A	11.18.09		UPDATED FOR 2007 FBC
	B	02.22.12		NO CHANGE THIS SHEET
	C	05.04.15		UPDATED TO 2014 FBC

date: 06-01-07	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
----------------	------------------	---------------	----------

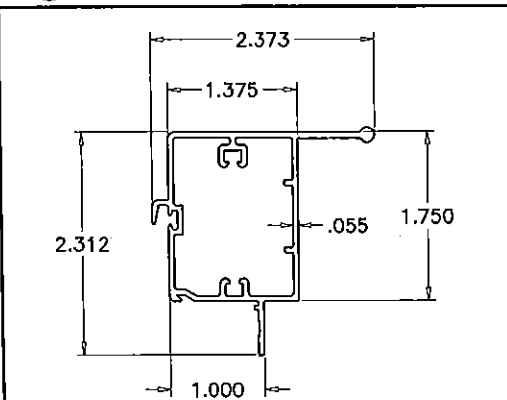
drawing no.	W07-52
sheet	3 of 4



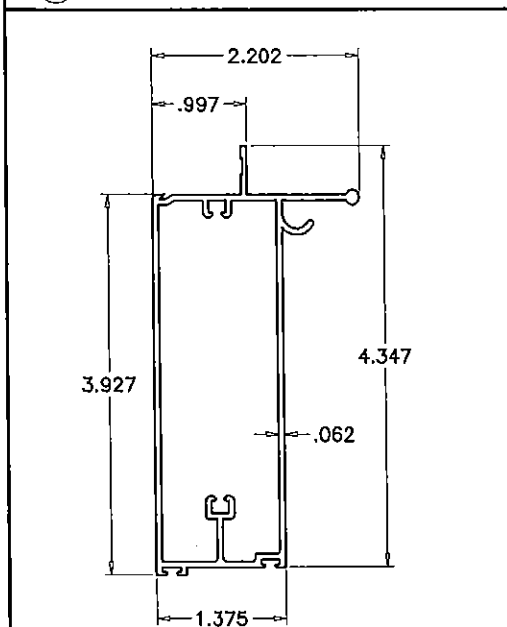
① FRAME HEAD



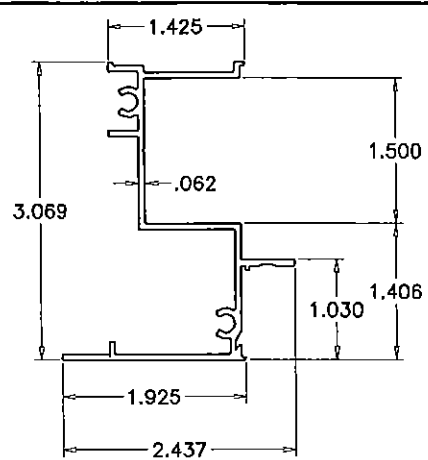
④ FIXED MEETING RAIL



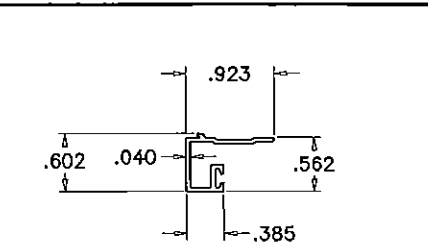
⑤ VENT TOP RAIL



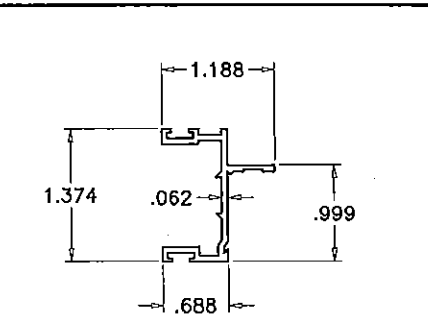
⑥ VENT BOTTOM RAIL



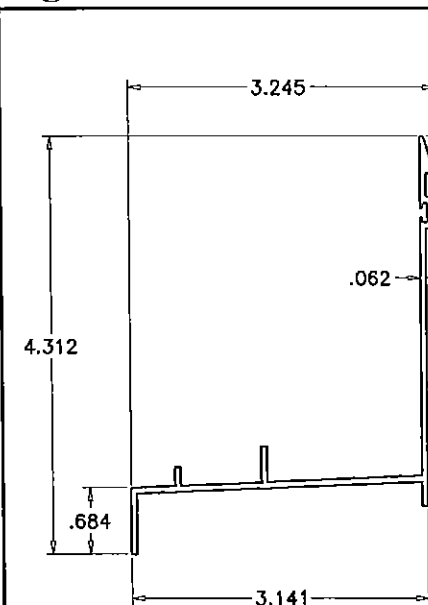
③ FRAME JAMB



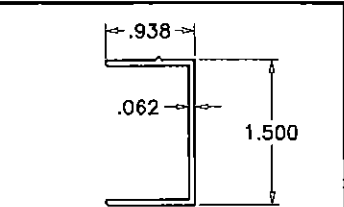
⑨ GLAZING BEAD



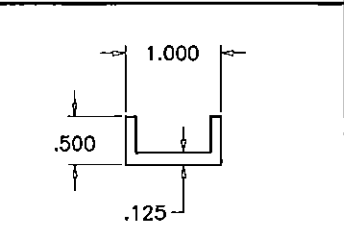
⑦ SASH SIDE RAIL



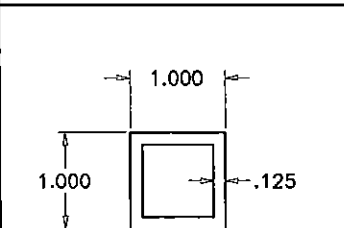
② FRAME SILL



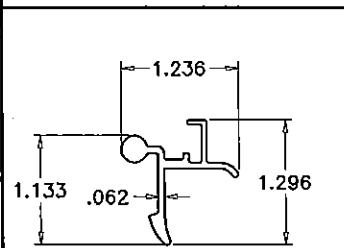
⑧ VENT STOP



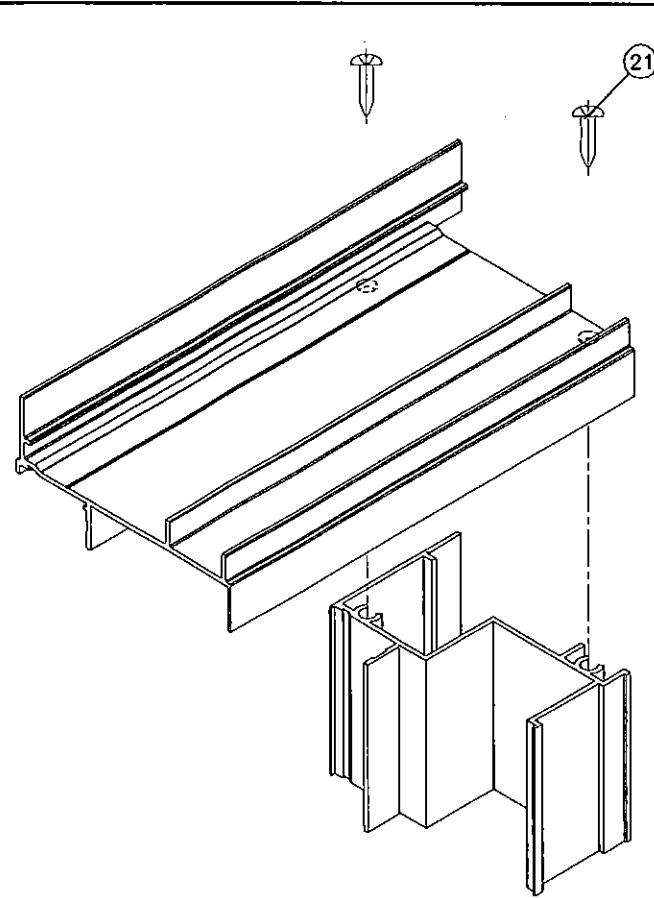
②⑥ MTG. RAIL REINFORCING



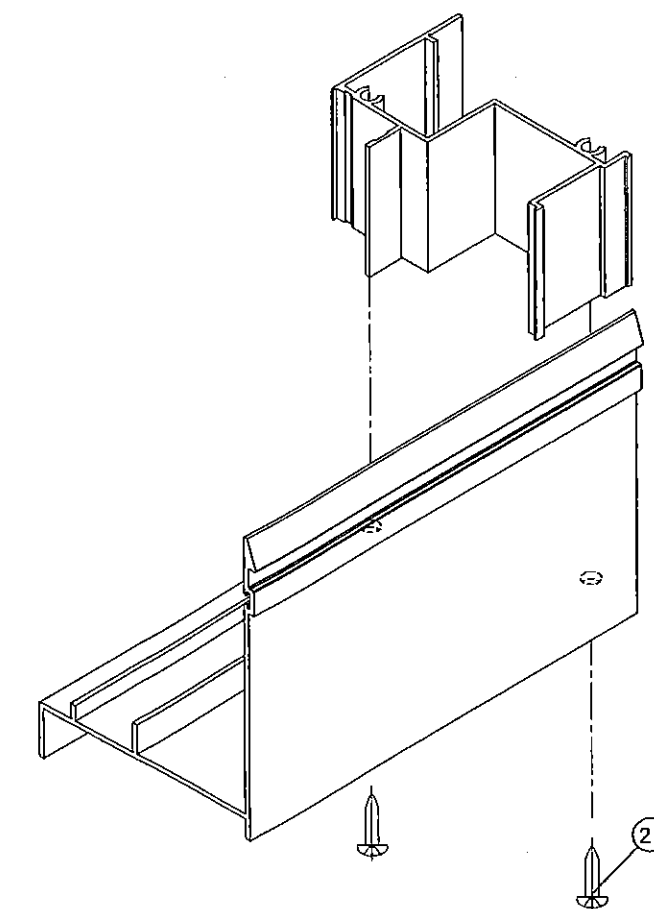
②⑤ TOP RAIL REINFORCING



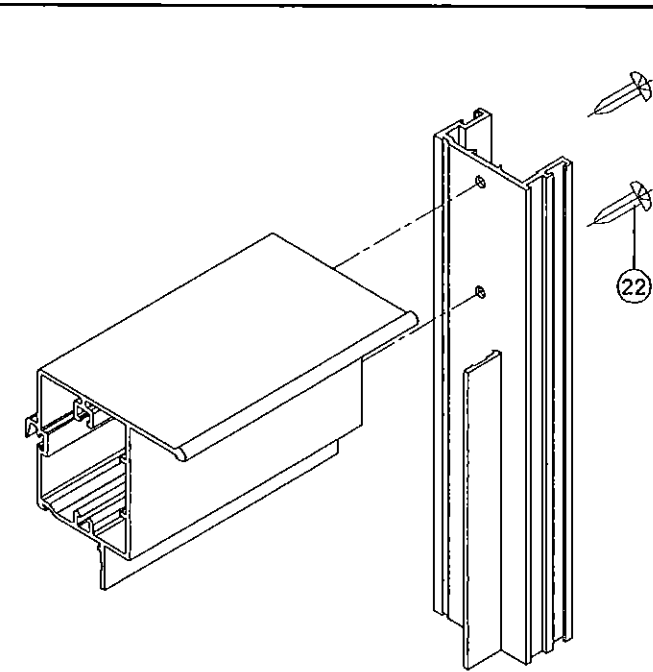
①⑤A LATCH LOCK



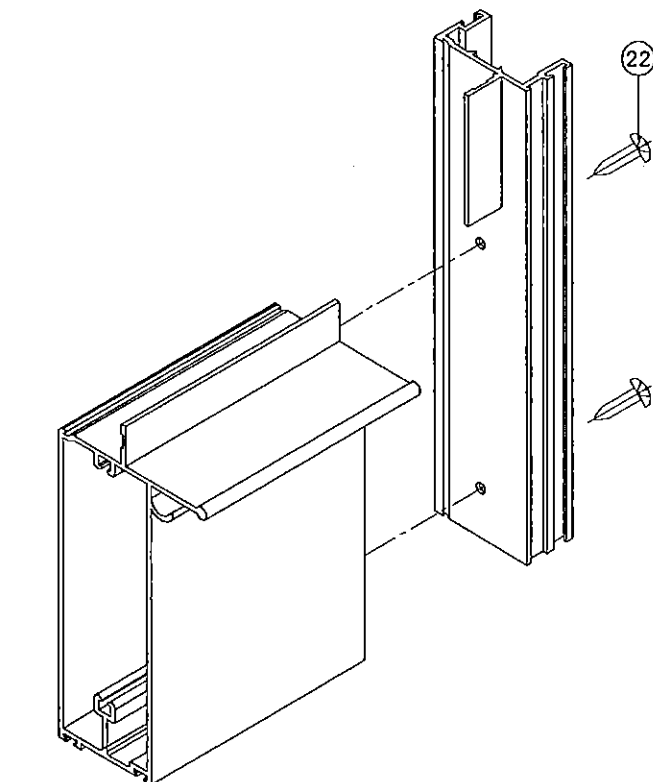
FRAME TOP CORNER



FRAME BOTTOM CORNER



VENT TOP CORNER



VENT BOTTOM CORNER

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
SEP 02 2015

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0611.07
Expiration Date March 27, 2018
By: Manuel Perez
Miami Dade Product Control

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W07-52TMW

SERIES 747 HP ALUM SINGLE HUNG WDW. (S.M.I.)
TM Windows, LLC.
1543 N. POWERLINE ROAD
POMPANO BEACH, FL. 33069
TEL (954) 781-4430 FAX (954) 781-3595

Revisions:		by	description
no	date		
A	11.18.09		UPDATED FOR 2007 FBC
B	02.22.12		NO CHANGE THIS SHEET
C	05.04.15		NO CHANGE THIS SHEET

date: 06-01-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W07-52
sheet 4 of 4